Amendments to the Claims:

The following listing of claims replaces all prior versions and listings of the claims in

this application.

Listing of the Claims:

Claim 1 (Previously Presented);

a sound generating device comprising:

a first acoustic chamber;

a second acoustic chamber;

a plate interposed between the first and second acoustic chambers, the plate being

capable of being vibrationally excited and operative to generate sound in the first and second

acoustic chambers substantially only at a resonant frequency common to both the first and

second chambers and/or harmonics of the resonant frequency, the sound in the first chamber

having a phase difference from the sound in the second chamber; and

a phase adjustment circuit for adjusting the relative phases of sound generated in the

first and second chambers so as to emit sound into the environmental air at approximately the

same phase.

Claim 2 (Previously Presented): A sound generating device as recited in claim 1

wherein the sound generated in the second acoustic chamber is 180 degrees out of phase with

the sound generated in the first acoustic chamber.

Claim 3 (Previously Presented): A sound generating device as recited in claim 1

wherein the first and second acoustic chambers are identical in their construction.

Claim 4 (Previously Presented): A sound generating device as recited in claim 1

wherein the first and second acoustic chambers are not identical in their construction

Claim 5 (Previously Presented): A sound generating device as recited in claim 1 wherein the phase delay circuit emits sound generated in the first and second chambers into

the environmental air in generally the same direction.

Claim 6 (Previously Presented): A sound generating device as recited in claim 1 wherein the phase delay circuit emits sound generated in the first and second chambers into the environmental air at generally the same location.

Claim 7 (Previously Presented): A sound generating device as recited in claim 1 wherein the phase adjustment circuit adjusting includes a sound conduit of predetermined length and geometry.

Claim 8 (Previously Presented): A sound generating device as recited in claim 5 wherein the geometry of the sound conduit varies along the length of the sound conduit.

Claim 9 (Previously Presented): A sound generating device as recited in claim 5 wherein the geometry of the sound conduit diverges along the length of the conduit.

Claim 10 (Previously Presented): A sound generating device as recited in claim 6 wherein the geometry of the sound conduit varies along the length of the conduit.

Claim 11 (Previously Presented): A sound generating device as recited in claim 6 wherein the geometry of the sound conduit diverges along the length of the conduit.

Claim 12 (Previously Presented): A sound generating device as recited in claim 1 wherein the phase adjustment circuit is in the shape of an axially disposed folded horn.

Claim 13 (Previously Presented): A sound generating device as recited in claim 1 wherein the phase adjustment circuit is in the shape of a spiral horn.

Claim 14 (Previously Presented): A sound generating device as recited in claim 1 wherein the phase adjustment circuit is in the shape of a conduit comprising a first radial disposed portion followed serially by a second axial portion.

Reply to Notice of Allowance dated December 19, 2008

Claim 15 (Previously Presented): A sound generating device as recited in claim 1

wherein the phase adjustment circuit is in the shape of an open conduit in the form of a planar

surface parallel to the sound wave emergent from the second acoustic chamber and at

distance from the port in the second acoustic chamber such that the sound wave is reflected to

travel approximately a half wavelength of sound to the point where it merges with the sound

wave generated by the first resonance chamber.

Claim 16 (Previously Presented): A sound generating device comprising:

a first acoustic chamber;

a second acoustic chamber:

a plate interposed between the first and second acoustic chambers, the plate being

capable of being vibrationally excited and operative to generate sound in the first and second

acoustic chambers substantially only at a resonant frequency common to both the first and

second chambers and/or harmonics of the resonant frequency, the sound in the first chamber

having a phase difference from the sound in the second chamber;

at least one resonance stabilization circuit for stabilizing the resonating sound

generated in the first and second chambers so as to maintain a resonant air column over a

range of variably occurring conditions due to manufacturing, temperature, pressure and the

like; and

a phase adjustment circuit for adjusting the relative phases of sound generated in the

first and second chambers so as to emit sound into the environmental air at approximately the

same phase.

Claim 17 (New): A sound generating device as recited in claim 1 wherein the plate

member has a generally circular configuration.

Serial No. 10/537,726 Amendment dated March 19, 2009 Reply to Notice of Allowance dated December 19, 2008

Reply to Notice of Allowance dated December 19, 2008

Claim 18 (New): A sound generating device as recited in claim 1 wherein the plate is

in the form of a mechanical diaphragm.

Claims 19 (New): A sound generating device comprising:

a first acoustic chamber:

a second acoustic chamber;

a plate interposed between the first and second acoustic chambers, the plate being

capable of being vibrationally excited and operative to generate sound in the first and second

acoustic chambers substantially only at a resonant frequency common to both the first and

second chambers, the sound in the first chamber having a phase difference from the sound in

the second chamber; and

a phase adjustment circuit for adjusting the relative phases of sound generated in the

first and second chambers so as to emit sound into the environmental air at approximately the

same phase.